

Substitute Form PTO-1449
(Modified)

U.S. Department of Commerce
Patent and Trademark Office

Attorney's Docket No.
10454-019001

Application No.
10/004,580

**Information Disclosure Statement
by Applicant**
(Use several sheets if necessary)

Applicant
Kemal Sonmez et al.

Filing Date
December 3, 2001

Group Art Unit
2621

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>dr</i>	BA	6,314,434 B1	11/06/01	Shigemi et al.	707	203	—
<i>dr</i>	BB	5,873,052	02/16/99	Sharaf	702	20	—
<i>dr</i>	BC	5,701,256	12/23/97	Marr et al.	702	20	—
<i>dr</i>	BD	5,568,563	10/22/96	Tanaka et al.	382	144	—
	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						
	BK						

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Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	BL							
	BM							
	BN							
	BO							
	BP							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	BQ	
	BR	
	BS	
	BT	

Examiner Signature

[Signature]


Date Considered

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Sheet 1 of 3

 Subtitle Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10454-019001	Application No. 10/004,580
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U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,128,587	10/03/2000	Sjolander	703	2	—
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Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	RECEIVED		Translation	
					Class	Subclass	Yes	No
	AC				APR 12 2002			
	AD							

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Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
da	AE	Baldi, P. et al., "Hidden Markov Models of Biological Primary Sequence Information", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 91, pp. 1059-1063; February 1994.
	AF	Barrett, C. et al. "Scoring Hidden Markov Models", <i>CABIOS</i> , Vol. 13, No. 2, pp. 191-199; 1997.
	AG	Brakch, N. et al. "Favourable Side-Chain Orientation of Cleavage Site Dibasic Residues of Prohormone in Proteolytic Processing by Prohormone Convertase 1/3", <i>Eur. J. biochem.</i> Vol. 267, pp. 1626-1632; 2000.
	AH	Brown, M. et al., "Using Dirichlet Mixture Priors to Derive Hidden Markov Models for Protein Families", <i>Proc. of First Int. Conf. on Intelligent Systems for Molecular Biology</i> , pages 47-55, Menlo Park, CA, July 1993. AAAI/MIT Press.
	AI	Bucher, P. et al., "A Flexible Motif Search Technique based on Generalized Profiles", <i>Computers and Chemistry</i> , Vol. 20 pp. 3-24. January 1996.
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	AK	Chou, K-C. et al., "Studies on the Specificity of HIV Protease: An Application of Markov Chain Theory", <i>Journal of Protein Chemistry</i> , Vol. 12, No. 6, pp. 709-724; 1993.
	AL	Chou, K-C., "Prediction of Human Immunodeficiency Virus Protease Cleavage Sites in Protein", <i>Analytical Biochemistry</i> Vol. 233, pp. 1-14; 1996.
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	AN	Eddy, SR., "Hidden Markov Models", <i>Current Opinion in Structural Biology</i> , Vol. 6, pp. 361-365, 1996.
	AO	Eddy, SR., "Profile Hidden Markov Models", <i>Bioinformatics</i> , Vol. 14, review of HMMs 1998.
	AP	Eddy, SR. et al., "Maximum Discrimination Hidden Markov Models of Sequence Consensus", <i>J. Computational Biology</i> Vol. 2 pp. 9-23, 1994.
db	AQ	Eddy, SR., "Multiple Alignment Using Hidden Markov Models", <i>Proc. Third Int. Conf. Intelligent Systems for Molecular Biology</i> , AAAI Press, Menlo Park. pp. 114-120. PostScript; 1995.

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